

AMENDMENTS TO THE CLAIMS

IN THE CLAIMS

1. (Currently Amended) An isolated protein having an amino acid sequence shown in SEQ ID NO: 1, or an amino acid sequence having a homology of not less than 95% to the amino acid sequence of SEQ ID NO:1, ~~or a protein having the same amino acid sequence as shown in SEQ ID NO:1 except that one or more amino acids are substituted or deleted, or that one or more amino acids are inserted or added,~~ which has an activity to transfer *N*-acetylglucosamine to a non-reducing terminal of Gal β 1-4Glc or Gal β 1-4GlcNAc group through β 1,3-linkage.

2. (Currently Amended) The protein according to claim 1, which has the amino acid sequence shown in SEQ ID NO: 3, ~~or a protein having the same amino acid sequence as shown in SEQ ID NO: 1 except that one or more amino acids are substituted or deleted, or that one or more amino acids are inserted or added~~ or wherein the amino acid sequence has a homology of not less than 95% to said amino acid sequence shown in SEQ ID NO:3.

3-4. (Cancelled)

5. (Currently Amended) The protein according to ~~claim 4~~ any one of claims 1 or 2, wherein said protein has an amino acid sequence having the same amino acid sequence as shown in SEQ ID NO:1 or 3 except that one or several amino acids are substituted or deleted, or that one or several amino acids are inserted or added.

6. (Withdrawn) The protein according to claim 5, which has the amino acid sequence shown in SEQ ID NO:3.

7. (Currently Amended) A protein comprising a region having the amino acid sequence recited in ~~claim 1~~ claim 1 or claim 2, which has an activity to transfer *N*-acetylglucosamine to a non-reducing terminal of Gal β 1-4Glc or Gal β 1-4GlcNAc group through β 1,3-linkage.

8. (Withdrawn) An isolated nucleic acid coding for said protein according to claim 1.

9. (Withdrawn) The nucleic acid according to claim 8, which hybridizes with the nucleic acid having the nucleotide sequence shown in SEQ ID NO:2 or 4 under stringent conditions.

10. (Withdrawn) The nucleic acid according to claim 9, which has the nucleotide sequence shown in SEQ ID NO:2 or 4.

11. (Withdrawn) A recombinant vector comprising the nucleic acid according to claim 8, which can express said nucleic acid in a host cell.

12. (Withdrawn) A cell into which said nucleic acid according to claim 8 is introduced, which expresses said nucleic acid.

13. (Withdrawn) A nucleic acid for measurement of said nucleic acid according to claim 8, which specifically hybridizes with said nucleic acid according to claim 8.

14. (Withdrawn) The nucleic acid for measurement of nucleic acid, according to claim 13, which has a sequence complementary to a part of a nucleic acid having a nucleotide sequence as shown in SEQ ID NO:2 or 4.

15. (Withdrawn) The nucleic acid for measurement of nucleic acid, according to claim 13 or 14, which is a probe or a primer.

16. (Withdrawn) The nucleic acid for measurement of nucleic acid, according to claim 15, which has not less than 15 bases.

17-19. (Cancelled)

20. (Withdrawn) A method for diagnosis of a cancer and/or tumor, comprising determining the amount of said protein according to claim 6 or determining the expression amount of the gene coding for said protein, in (a) sample cell(s) separated from body.

21. (Withdrawn) The method according to claim 20, wherein said sample cell(s) is(are) originated from a digestive organ, and wherein said method is for diagnosis of a cancer and/or tumor of the digestive organ.

22. (Withdrawn) The method according to claim 21, wherein said sample cell(s) is(are) originated from colon, and wherein said method is for diagnosis of colon cancer.

23. (Withdrawn) A method for measuring said nucleic acid according to claim 8, comprising hybridizing the nucleic acid of claim 8, and measuring the hybridized nucleic acid.

24. (Withdrawn) A method for measuring said nucleic acid according to claim 8, comprising amplifying a nucleic acid by using as primers a pair of nucleic acids, and using as a template said nucleic acid according to claim 8, and measuring amplification product.

25. (Withdrawn) The method for diagnosis of a cancer and/or tumor according to claim 20, comprising hybridizing a nucleic acid, and mRNA transcribed from the gene of said protein having an amino acid sequence of SEQ ID NO:3 or cDNA generated by using said mRNA as a template, and measuring the hybridized nucleic acid, so as to measure the expression amount of the gene of said protein.

26. (Withdrawn) The method for diagnosis of a cancer and/or tumor according to claim 20, comprising carrying out a nucleic acid-amplification method using as primers a pair of nucleic acids for measurement of nucleic acid, , and using as a template the mRNA transcribed from a gene of a protein having an amino acid sequence of SEQ ID NO:3 or cDNA generated by using said mRNA, and measuring amplification product, so as to measure the expression amount

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of the gene of said protein.

27-30. (Cancelled)